



PATENT APPLICATION  
File No.: 98-10D1

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: Wen-feng Xu, Scott R. Presnell, David P.  
Yee, Donald C. Foster

Serial No.: 09/371,333 Group Art Unit: 1646

Filed: August 10, 1999 Examiner: John D. Ulm

For: PROTEASE-ACTIVATED RECEPTOR PAR4 (ZCHEMR2)

**LETTER REGARDING SUBSTITUTE SEQUENCE LISTING**

Commissioner for Patents  
Washington, DC 20231

Sir:

Submitted herewith is a substitute copy of the sequence listing. The substitute sequence listing contains no new matter and is now compliant with the revised sequence rules under 37 C.F.R. § 1.821-1.825.

Also submitted herewith is a sequence listing diskette for the above-captioned application. The content of substitute sequence listing and the enclosed sequence listing diskette is the same and, where applicable, includes no new matter as required by 37 CFR 1.821-1.825.

Respectfully submitted,

Phillip B.C. Jones, J.D., Ph.D.  
Registration No. 38,195



1

# SEQUENCE LISTING

<110> Xu, Wenfeng  
Presnell, Scott R.  
Yee, David P.  
Foster, Donald C.

<120> PROTEASE-ACTIVATED RECEPTOR PAR4  
(ZCHEMR2)

<130> 98-1001

<140> US 09/371,333

<141> 1999-08-10

<150> US 09/053,866

<151> 1998-04-01

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<170> FastSEQ for Windows Version 3.0

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<211> 4895

<212> DNA

<213> Homo sapiens

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<221> CDS

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274

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322

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370

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466

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514

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562

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1282

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<213> Homo sapiens

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Ala	Tyr	Val	Pro	Ser	Leu	Ala	Leu	Ser	Thr	Leu	Asn	Ser	Cys	Val	Asp
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Pro	Phe	Ile	Tyr	Tyr	Tyr	Val	Ser	Ala	Glu	Phe	Arg	Asp	Lys	Val	Arg
			340					345					350		
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<221> variation  
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&lt;223&gt; PAR2 polypeptide.

&lt;400&gt; 19

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&lt;211&gt; 24

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; PAR3 polypeptide.

&lt;400&gt; 20

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			20												

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&lt;211&gt; 25

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; PAR4 polypeptide.

&lt;400&gt; 21

Leu	Pro	Ala	Pro	Arg	Gly	Tyr	Pro	Gly	Gln	Val	Cys	Ala	Asn	Asp	Ser
1				5					10					15	
Asp	Thr	Leu	Glu	Leu	Pro	Asp	Ser	Ser							
			20					25							

CS  
Cont